



Air Dryers for European Truck-and Bus applications

Air Brake Systems Rely on Air Dryers for Safe Operation

Air brake systems are typically used on heavy-duty vehicles such as trucks and buses, as well as other large vehicles that pull heavy loads. Due to vehicle operating conditions, as well as the air compression that is required within the air brake system, moisture and condensation can be introduced into the system.

When this occurs, the air brake system is compromised and if the moisture is not removed, air brake functionality can be compromised. And in severe operating conditions, the moisture can freeze resulting in total brake failure.

How an Air Dryer Works

The air brake system on your vehicle includes an air compressor that is driven by the engine. The air compressor ensures the air brake system is charged and ready to stop the truck or trailer when the operator applies the brakes. As the compressor draws ambient air into the air brakes, moisture is introduced into the system, particularly during humid or rainy conditions. As the air is compressed, it is heated and cooled and this results in additional condensation which increases the amount of moisture in the system.

To address moisture in the air brake system, the air dryer controls two operations. First, the air dryer intermittently purges water that accumulates as the air cools and releases it into the environment. Second, as air flows through the air dryer, a drying agent called a 'desiccant cartridge' removes any remaining moisture in the system to ensure the air brake system can operate optimally.

Beyond moisture removal, an air dryer also removes any oil that leaks from the air compressor, as well as any dust and debris that might work through the air inlet filtration system.

Fleetguard Air Dryers Provide Premium Performance for a Wide Range of Applications

With a Fleetguard Air Dryer, you are guaranteed to receive OEM quality performance to ensure your air brake system is working whenever you need it.

Our coalescing media adds an extra layer of protection by absorbing oil and other debris so no matter your operating conditions, Fleetguard Air Dryers have you covered.

Fleetguard offers a wide range of air dryers for a variety of applications, including ...



Ordering Information

- **OEM Quality**
- **Coalescing media for oil absorption and system protection**
- **Premium Performance for a wide range of applications**

For more information around our range of Air Dryers, please contact your Area Sales Manager

Fleetguard	Knorr	Wabco	Primary Applications
AD27745	K087957	432 410 927 2	Renault Trucks Midlum I, Puncher; Scania 4-P-R-T-Series
AD27746*	K039455	432 901 246 2	DAF Trucks; Ginaf; Irizar; Tatra; Van Hool; VDL Bus + Coach
AD27747*	K039454	432 901 223 2	IVECO Cursor & Tector engines; DAF Trucks & Busses; Mercedes; Cummins; Renault Trucks, Van Hool; Solaris; MAN Trucks & Busses (Neoplan)
AD27748*	K039453	432 901 245 2	Renault Trucks Volvo Trucks
AD27749*	K087957	432 901 228 2	Scania G; G New Generation; L; P; P New Generation; R; R New Generation; T; Scania Bus A30, Higer A30, Citywide LE/LF; Interlink HD/LD/MD, Irizar i4 / i4h / i4 LE/ i6; Omnicity/line/Link (Irizar), OmniExpress, PB/Irizar PB, Touring
AD27750 (supersedes AF27817)	II40100F	432 410 222 7	IVECO Cursor & Tector engines; DAF Trucks & Busses; Mercedes; Cummins; Renault Trucks, Van Hool; Solaris; MAN Trucks & Busses (Neoplan)
AD27751 (supersedes AF27853)	II41300F	-	DAF Trucks; Ginaf X-Series; Tatra Phoenix; VDL Bus Bova Magiq
AD27752	II38789F004	432 410 220 2	Mercedes Unimog-Serie; Renault Trucks Midliner S
AD27754	1 507 434 00	-	Mercedes Sprinter 616, T2 LN1, Vario

* product includes Oil Coalescer

Best Warranty in the Business.

The Cummins Filtration Warranty extends to our entire line of products, ensuring the same promise of performance and coverage beyond the competition. Visit cumminsfiltration.com to learn more about the competitive benefits of the Cummins Filtration Warranty.